GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:5783
ANSWERED ON:30.08.2001
STATUS OF POWER PROJECTS
ALE NARENDRA

Will the Minister of POWER be pleased to state:

(a) the present status of various power projects in the country, State-wise, location-wise and capacity-wise;

(b) the number of projects likely to come up during the current plan; and

(c) the capacity of power likely to be generated by these projects?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA)

(a) : The present status of various thermal and hydro power projects in the country is given in Annexe-I & II, respectively.

(b) & (c) : Planning Commission had fixed a capacity addition target of 40245.2 MW for the 9th Five Year Plan.A capacity of 20419.7 MW is likely to be added by the end of 9th Plan.

ANNEXE-I

ANNEXE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 5783 TO BE ANSWERED IN THE SABHA ON 30.08.2001

STATUS OF THERMAL POWER PROJECTS

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AS ON :  1-Aug-2001
 Project Name, Sector Unit  Cap.  Thermal Cap.  Addition During
 Remarks/Critical Areas No. (MW)  Balance Period 10th Plan Likely Date of
 and state    of 9th Plan and Beyond Synchronisation



PROJECTS WHERE CONSTRUCTION WORK HAS STARTED
 Central Sector
 AP
Simhadri TPS (NTPC) U-1 500 500  Mar-02
 Readiness of power evacuation system
 U-2 500  500 12/2002
 Orissa
Talcher STPP-II (NTPC) U-3 500  500 11/2003
 U-4 500  500 8/2004
 U-5 500  500 5/2005
 U-6 500  500 2/2006
 TN
Neyveli FST Ext. (NLC) U-1 210 210  12/2001
 U-2 210  210 6/2002
 Sub-Total (Central Sector)    : 3420.0 710.0 2710.0
 State Sector
 AP
Rayalaseema St-II TPS (APGENCO) U-1 210  210 34 months from advance
Tying up of balance 15% funds from IFIs
 payment to EPC
 contractor(COD)
 U-2 210  210 37 months from advance
 payment to EPC
 contractor(COD)
 Delhi
Pragati CCGT (DVB) GT-1 104.6 104.6  1/2002 Project was envisaged
        subsequent to the
        mid-term appraisal.
 GT-2 104.6 104.6  3/2002
 ST 121.18  121.18 11/2002
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Gujarat
Akrimota (GMDCL) U-1 125 125 12/2002 -Finalisation of Escrow Agreement./Financial Closure
U-2 125 125 6/2003
Karnataka
Raichur TPS (KPCL) U-7 210 210 30 Months from FC
Manipur
Leimakhong DG (Govt. of Manipur) DG-1 6 6 10/2001
DG-2 6 6 10/2001
DG-3 6 6 10/2001
DG-4 6 6 10/2001
DG-5 6 6 10/2001
DG-6 6 6 10/2001

Rajasthan

Suratgarh TPP St-II (RRVUNL) U-3 250 250 11/2001
U-4 250 250 5/2002
Suratgarh TPP St.III (RRVUNL) U-5 250 250 33 months from placement of order

Tripura

Baramura GT (Power Dept. GT-1 21 21 9/2002

(Govt. of Tripura)
Rokhia GT Ext. Ph.-II GT-7 21 21 2/2002 Cleared by State Govt.

(Govt. of Tripura) Project was envisaged subsequent to the mid-term appraisal.

Private Sector

A&N Islands

Bambooflat DG (Suryachakra Power) DG-1 5 5 Mar-02

DG-2 5 5 Mar-02
DG-3 5 5 Mar-02
DG-4 5 5 Mar-02
AP
LVS DGPP (LVS Power Ltd.) DG-1 18.4 18.4 9/2001 Project was envisaged subsequent to the mid-term appraisal.
DG-2 18.4 18.4 9/2001
Peddapuram CCGT (BSES Andhra GT 142 142 9/2001 Project cap.revised to 220 (142+78) MW
Power Ltd.)
ST 78 78 2/2002
Ramagundem TPP (BPL Power Project) U-1 260 260 33 months from FC(COD) -Achievement of Escrow Agreement/ Financial Closure

U-2 260 260 39 months from FC(COD)

Jharkhand

Jojobera TPS (Tata Power Co. Ltd.) U-2 120 120 8/2001

Karnataka

Tanir Bavi CCGT (Tanir Bavi Power Co.) ST 50 50 9/2001 Capacity revised to 220(4x42.5+50) MW

Mah

Dabhol CCGT Ph-II (Dabhol Power Co.) Block-1 722 722 Commissioning of the project is uncertain due to the dispute between MSEB and Dabhol Power Co.
Block-2 722 722

MP

Ratlam DG (GVK PowerLtd.) DGs 118.632 118.632 14-17 Months from FC

Standing instructions to SBI is yet to be issued by MPEB

TN

Neyveli Zero TPS (ST-CMS Electric Co.) U-1 250 250 7/2002 Approval of TNEB on the Lignite Transportation Scheme proposed by IPP.

Samayanallur DGPP (Balaji Power Corpn.) DG-1 15.143 15.143 Likely to slip Likely to slip as lenders have stopped the release of funds due to non-operationalisation of Escrow cover by
DG-2 15.143 15.143 Likely to slip
DG-3 15.143 15.143 Likely to slip
DG-4 15.143 15.143 Likely to slip
DG-5 15.143 15.143 Likely to slip
DG-6 15.143 15.143 Likely to slip
DG-7 15.143 15.143 Likely to slip
to establish 2x125 MW TPP. However, no reference in this regard has been received by CEA from WBPDCL.

ANNEXE-II

ANNEXE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 5783 TO BE ANSWERED IN THE SABHA ON 30.08.2001 STATUS OF HYDRO-ELECTRIC POWER PROJECTS

CENTRAL SECTOR

1. Nathpa Jhakri (NJPC)
H.P./6x250
05.04.89
1678.02
7666.31

1996-97
2003-04

											Consequent on flooding on 01.08.2000 the restoration of infrastructual works in dam and intake areas, desilting chamber and power house have been completed. Diversion tunnel made operational on 01.03.2001. Dam concreting has been started and 52% concreting has been completed. HRT heading excavation has been completed and 96% benching excavation has been completed. 38% invert and 48% overt concreting has been completed. Both EOT cranes have almost made operational. Functional load setting are in progress. Cleaning of E & M equipment submerged in power house have been completed. Rectification works of generating units are in progress. Negotiation with suppliers of E & M equipment and insurance companies for restoration of submerged equipment are in progress. Erection of TG equipment for Unit I to Unit VI is at various stages. Erection work of GIS-I and GIS-II is in progress. Erection of 16 generator transformers compiled.. Units are now scheduled to be commissioned by 12/2003. Delay in award of civil works. Completion of Dam, desilting chamber and HRT works. In the night intervening 31st July and 1st Aug.,2000; the flash flood submerged the power house complex and damaged various roads and bridges in the Dam complex.												Exchange rate variation. General price escalation.
2.	Dulhasti(NHPC)	J&K/3x130	12.7.89(Bilateral)	1262.97	3559.77	1994-95	2003-04	Diversion Tunnel completed. Excavation and concreting of Dam and PH is completed. Works of Desilting Basin, HRT and Tail Race Tunnel are in progress. The TBM suffered extensive damage as it buried under debris due to sudden rock burst on 21.02.2000 and it is irrepairable, U/S tunneling is now being done by DBM. 66% excavation completed in U/S HRT. Erection of 130T capacity EOT crane completed. Excavation for pressure shaft, expansion gallery, surge tank and draft tubes completed. 70.76 % erection and 99.33% supply of hydro electro-mechanical equipment has been completed. -Geological problems in HRT. -Law and order problem leading to contractual problems. -Suspension of work due to militant activi- ties in the project area.												-Exchange rate variation -General price escalation.
3.	Chamera St.II												

(NHPC)
H.P/3x100
18.05.99
1684.02
1684.02
10th Plan
10th Plan

(2004-05)
The project is being implemented on turn-key Basis. Agreement between NHPC and consortium (M/s Indo Canadian Hydro Consortium, New Delhi, Lead by M/S Jai Prakash Industries Ltd.) was signed on 18.7.99. Diversion tunnel excavation and concreting completed. Adit I & II excavation to HRT completed. Excavation of HRT 84% and TRT excavation 78% completed.

4.
Teesta St.-V

(NHPC)
Sikkim/3x170
11.02.2000
2198.04
2198.04

2006-07
2006-07
Infrastructure development & survey works commenced at the project site. In diversion tunnel open excavation at inlet and outlet areas are in progress. One diversion tunnel day-lighted on 28.06.2001. Construction of water treatment plant in PH has completed. Construction of miscellaneous stores and quality controls lab at Dam site started. Contracts for Dam, HRT, Power House have been awarded. Tenders are under finalisation for Hydro-Mechanical and Electro-Mechanical works. In dam works, the approach road to Adit-1 and intake are in progress. In HRT works, the portal excavation of Adit-II and Adit-III are in progress. In power house works, the open excavation of Main Access Tunnel and Adit to bottom of pressure shaft is in progress.

5.
Tehri St.I(THDC)
U.P./4x250
02.06.72(4x150 MW)
PIB-23-01-92
CCEA 15-03-94.
3391.40
5690.64

1997-99
2001-03

(2002-03)
As per
THDC
Works of cofffer dam and diversion tunnels completed. Contracts for supply of E/M equipments awarded to consortium of Russian/Ukranian firms and ABB

(Germany) in 4/97. Order for supply of generator transformer. Erection of 2 Nos. EOT cranes 375/75T completed. Erection of spiral casing for unit-4 is in progress. All sector of Draft tube Elbow Line are welded and ready for erection.
It is proposed to plug the diversion tunnel T3 & T4 in October, 2001.

-Funds constraints
-Award of major civil works.
-Rehabilitation.
-Uttarakhand agitation.
-Acquisition of Land.
-Change of
capacity
-General
price
escalation.
6.
Koteshwar Dam and
Power Project

(THDC)U.P./4x100
10.04.2000
1301.56
1301.56

(Incl. IDC)
2005-06
2005-06
Govt. sanction accorded on 10.04.2000.
Infrastructural works are in progress. Construction of
diversion tunnel is in progress. Pre-qualification tender
for Civil, Hydro-Mechanical and Electro-Mechanical
works have been invited and are in process.

7.
Dhauliganga - I

(NHPC)
U.P. / 4x70
08.04.91
601.98
1578.31

1998-99
2004-05
Forest and defence land acquired. Private land is under
acquisition. All major works awarded. NHPC has
signed agreements for the major work packages as
under:

1. Lot 1- (Civil works) on 28.2.2000

2. Lot-2-(Civil works) on 25.2.2000

3. Lot-3-(Electro-mech. Works) on 15.2.2000

4. Lot-4-(Hydro-mech. Works) on 1.2.2000
River divided through diversion tunnel on
21.04.2001. 54% spillway excavation completed.

4.30% U/S and 9.75% D/S excavation of HRT
completed. 23% tail race excavation completed.
Acquisition of private land
and agitation by oustees for
employment in NHPC.
-General
price
escalation.

8.

Indira Sagar

(NHDC)
M.P./8X125
06.09.89

(Joint sector Project of
NHDC-51%)
1190.12
3381.32
1997-2000
2003-06
Civil works for HRC Completed and for dam, PH,&
TRC are in progress. LOI for procurement of EOT crane
issued on M/s Mukund Ltd. Mumbai. Order for TG
equipments placed on BHEL in Feb.97 . DT liners for
units 2 to 8 installed and pier noise for all the units
erected. Draining & Dewatering pipes, Penstock Drain
Valves for all units installed except DT drain header .
Penstock drain valve for all units installed. State Govt.
have handed over construction of project to Narmada
Hydro Electric Development Corpn. a joint venture of
Govt. of MP and NHPC.
-R & R problem.
-Project finance.
-Slow progress
due to Fund
constraints.
-R & R
problems.

9.
Loktak D/S (NHPC)
Manipur/3x30
30.12.99
578.62
578.62

(incl.IDC)

2006-07
2006-07
Development of infrastructure facilities at the project
was in progress. The desired progress at working site is
not possible unless the State Govt. provides requisite
security. As decided in the meeting held on 11.06.2001.
Govt. of Manipur following the stay order by the
Honorable High court of Manipur has constituted a joint
inquiry Team which includes a member from NHPC for
assessment of land/crops compensation. Govt. of
Manipur also in co-ordination with CRPF will make
security arrangements and accommodation one battalion
of CRPF with in 2-3 months.

10.
Ranganadi

(NEEPCO)
Ar.P./3x135
04/87
April,87(CCEA)
312.78
1446.09

(inc.IDC)
1994-95
2001-02
Diversion tunnel, Dam. HRT, surge shaft including
steel liner almost completed. Civil works for PH, TRC
and switchyard in progress.
EOT cranes (2 nos.) in operation. Unit erection work in
progress.
Unit-1 : Boxed up. Order for almost all other E/M
equipments placed. Supply of equipment and erection
in switchyard are in progress.132/400KV ICT Ordered.
-Delay in procurement

of tunneling equip- ment. -Delay in award of major works of PH and dam. -Fund constraints. Slow progress of Dam & HRT civil works. -General price escalation.						
11. Tuirial						
(NEEPCO) Mizoram/2x30 07.07.98						
(CCEA) 448.19 448.19 2005-07 2005-07 Pre construction work completed. Infrastructure work in progress. Project area and some submerge area have been acquired. Taping of 11 Kv line completed and charged. One No. DG set hired. Tenders issued for all the major packages. Pre-bid meeting have been held. Last date of submission of tender have fixed. Construction of 132 Kv SC transmission line is in progress. -Delay of award of major civil works.						
12. Kopili Stage-II						
(NEEPCO) Assam/1x25 06.07.99 (CCEA)						
76.09 76.09						
2001-02 2003-04 Pre-construction & infrastructural works are being taken up. Work orders for Package I & II (Civil works) issued to M/S GSJ Envo. On 01/10/99 and M/S P.Das on 07.06.2001 respectively. The works under these packages are in progress. For package-III, TG sets have been ordered on BHE and 100/25T EOT crane ordered on M/s WMI, Mumbbi : Supply is in progress. Tenders for package III are under preperation. Delay in awards of major civil works.						
STATE SECTOR						
NORTHERN REGION 13. WYC-II Har./2x7.2 04.02.2000						
(State Govt.) 70.0 94.00 10th Plan						

10th Plan
The scheme was approved Techno-economically by CEA in 3/90, however the work of the project could not be taken up due to non-settlement of Inter-State dispute about sharing of Yamuna water, which was resolved on 12.05.1994. The scheme was sanctioned by State Govt. on 04.02.2000. Works of Hathnikund barrage has been completed. PFC has sanctioned a loan of Rs. 56 crores to HPGCL. Civil work of PH, Hydel channel etc. awarded to M/s. Harish Chandera India Ltd., New Delhi. Excavation of PH completed & 60% excavation of Hydel channel completed.
The excavation of silt ejector has been completed & lean concreting work has been completed..

General price escalation.
14.
Larji
H.P./3x42
14.01.2000 (CEA)
796.98
796.98

(compl. Cost)

2002-03
2003-05
HPSEB had proposed some changes in the scope of this scheme and revised DPR was submitted to CEA in March 1999. Fresh TEC has been accorded by CEA on 14.01.2000. Excavation of Diversion tunnel completed. Excavation of HRT, Surge shaft, Pressure shaft and PH in progress. The E/M works including supply , erection & commissioning of turbine, generator and associated auxiliaries and transformers awarded to BHEL on 15.02.2001.
Delay in award of civil works.
Delay caused for following route of ICB for award of TG sets.

15a.
Upper Sindh-II
J&K/2X35
22.11.83
76.46
399.50
1988-89
1999-02
All civil works almost completed except some works of Sumbal link. PFC have sanctioned a loan of Rs. 6.74 Crs. for the project.
Unit-I : Rolled on 05.01.2000. Commissioned on 09.07.2000.
Unit-2 : Rotor has been lowered & alignment in progress. Boxing is expected to be done shortly.
-Law and order problem.
-Delay in fabrication of penstocks.
-Funds constraint.

-General price escalation.
15b
.
Upper Sindh Ext.
J & K/1x35
26.06.89
20.69
42.27
1993-94

2001-02
Stay order for fabrication & erection of penstock has been vacated and works are awarded to M/s TSL. Generator barrel has been concreted. Rotor has been assembled, in service bay and is ready for lowering. The assembly of stator is in progress.
-Law and order problem.
-Funds constraint.

Do
16.
Sewa St.III
J&K 3x3

(Sanctioned by state Govt.)
16.92
60.00

1997-98
2001-02
Civil works almost completed. There was flooding of PH on 16th June 2000 submersing the E&M equipments. Before flooding, the erection of Unit-I was almost completed. PFC has sanctioned a loan of Rs. 6.56 Crs. for the project and erection works have been resumed.
-Flooding of PH.
-Funds constraint.

-General price escalation

17.
Lakhwar vyasi $
Uttaranchal/3x100+2x6
0
Jan,1976
140.97
1446.00
1989-90
2004-06
At present the works are at stand still due to fund constraints. MOU has been signed on 25.02.2000 between Ministry of Power, GOI & Govt. of UP to complete the project as joint venture between NHPC & UPJVNL. The progress of works is as under.
65% land acquired, contract for Vyasi & Lakhwar dams, intake, Power tunnel, Lakhwar U/G PH, Hathiari PH, HRT etc. awarded in 7/87. 100% excavation of heading portion of TRT & 98% excavation for Vyasi Hathiari HRT completed. LOI for TG sets for both PHs placed on BHEL in June, 1991 but cancelled in 1995.
-Works held up due to fund constraints.
-General price escalation.

$ Works of the project are held up.
18.
Maneri Bhali-II $
Uttaranchal/ 4x76
21.02.2000

(TEC)

1249.18
1249.18
(Compl.
Cost)
2003-05
2003-05
At present the works are at stand still due to fund constraints. The Govt. o U.P. had assigned the construction to UP Jal Vidyut Nigam Ltd. in Jan., 2000 & TEC was also transferred to UPJVNL. CEA has accorded revised TEC to UPJVNL on 21.02.2000. MOU was signed on 25.02.2000 between Ministry of Power, GOI & Govt. of UP to complete the project as joint venture between NHPC & UPJVNL. But it is understood that execution of the project has now been given to THDC. The progress of works made so far is as under.
100% excavation & 83% concreting for barrage achieved. Excavation & concreting for HRT, intake, surge tunnel, penstock, PH partly completed.
EOT crane switchyard structures received.
Order placed on BHEL in 3/83 for the Gen. Units has been cancelled.

$ Works of the project are held up.
WESTERN REGION
19.
Sardar Sarovar
Guj./M.P./Mah.

(6x200+5x50)

(Joint project of
Guj/MP./Mah. In ratio
of 16:57:27)
05-10-88
1551.86
3267.25
1994-96
10th plan
87.27% concreting of main dam completed.
CHPH: Erection, Testing & Pre-commissioning checks of all five units completed. All units are under preventive maintenance.
RBPH: 98.6% open excavation, 92% under ground excavation & 74% concreting of power house completed. Excavation and steel lining of all six nos. pressure shafts completed and bulk head installed. Erection of penstock gates is nearing completion and erection of hoist for penstock gates is in progress.
Supreme Court has given verdict on 18.10.2000 to revise dam upto 90 m and thereafter with the clearance of NCAs` Rehabilitation Sub-Group. The dam works completed up to 90m.
Supply of TG Sets for unit 1&2 completed and for unit-3 turbine components like runner, shaft and head cover received at site from Sumitomo Corporation Japan. Order for erection of TG Sets placed on M/S PES Engineering Hyderabad in December 1999. Erection of embedded piping lower draft tube of Unit-1 & II complted and IInd stage concreting is under progress.
-Stay by Supreme Court on
construction of main dam
for raising of spillway
blocks height.
-R & R Problem.
-Cancellation of W.B.
loan.
-Increase in R
& R
scope.
-General
price
escalation.
20.
Bansagar Tons,

II & III(M.P.)
2x15+3x20
30.06.84
301.17
incl. PH-1
966.81
incl. PH-I
1989-91
PH-II
2002-03
PH-III
2000-02

The Bansagar Dam has been completed upto crest level. Works of common water conductor nearing completion. PH-II :-Civil works of PH in progress. TRC completed. Embedded parts of TG equipment received and LOI issued to BHEL for supply of balance TG equipments, Supply started. Erection of DT of both units completed. LOI for procurement of 75/150T EOT crane issued.
PH-III:-Civil works are in advanced stage of completion. TG equipments have been received. Barrel concreting of generators of all units completed and generator floor casted. Erection of EOT crane completed. Order for erection and commissioning of TG sets placed on BHEL.
Unit-1 Rolled on 26 Nov., 2000.
75% of unit-II & 45% works of unit-III completed. Commissioning of Unit-III delayed due to failing of about 50% stator coil in HV test.
-R&R problem of oustees of Bansagar dam.
-Fund costraints.
-Slow progress of works.
-General price escalation.

21.
Bansagar Tons PH IV
M.P./2x10
31.07.92
41.88
84.97
1996-97
2002-03
Jhinna head regulator works have been re-awarded & works in progress. Order for PH civil works & fabrication and erection of penstock awarded and fabrication of shells commenced. Excavation of PH pit & TRC have been almost completed and balance works will be taken up along with raising of Bansagar Dam to its full height.

(TBL 347m)
-R&R problem of oustees of Bansagar dam.
-Finalisation of executing agencies.
-Raising of dam upto FRL.
-Slow progress due to fund constraints.

22
Marhikheda,
MP,
2x20 + 1x20
11.05.01

177.38
177.38
10th plan

10th plan
The project has been sanctioned by State Govt. on 11.05.2001. Infrastructure works are being taken up.

23
Ghatghar PSS
Mah./2x125
11.08.92
485.96
830.00
1995-96
2004-05
Works of approach tunnel to TRT, Approach tunnel, Link tunnel, Verification Tunnel, Construction of adit, Central drift to machine Hall and Transformer Hall completed. Excavation of TRT completed and for Tail Surge is in progress. Civil works of upper intake structure, pressure shaft of power house awarded to M/S Patel Eng. and PES (Joint Venture) on 06.06.2000. Excavation of Pressure shaft is also in progress.
TG sets ordered on M/s NISSHO IWAI corporation Japan. Model test on the pump turbine model conducted and report approved. Supply of TG sets commenced. Order for 2 Nos 150/30T EOT cranes & 1 No 30T EOT placed on M/S ACME & KM Engg. .
30 T EOT crane Commissioned.
-Low priority by State Govt.
-Delay in land acquisition.
-Delay in award of Roller compacted concrete dam and PH works.
-Low priority by State Govt. resulting in delay and general price escalation.

SOUTHERN REGION

24.
Srisailam LBPH
A.P./ 6x150
01.09.86
418.00
2482.00

1993-95
2000-03

All Civil works of HRT, Pressure shaft, Penstock, TRT and surge chamber completed.
Unit-1: Rolled on 30.03.2001 and commissioned on 26.04.2001.
Unit-2: Runner has been lowered.. Rotor assembly is in progress. Stator segments being transported to P.H. .
Unit-3: Concreting of spiral and stay ring foundation completed.
-Delay in award of civil works .
-Delay in civil works of HRT & TRT on a/c of revision of rates by contractor.
-Strike by contractor from Feb.,95 to Aug. 95.
-General price

excavation .
-Variation in
exchange rates.

Unit-4,5&6 : Erection of pier nose liner completed.
Concreting is in progress. Inlet valves for units 4,5 & 6
installed.

25.
Sharavathi T.R.
ktk.4X60(MW)
06.05.87
160.59
420.00
1993-94
2000-02
Civil works almost completed. Penstocks for all the 4
units have been erected.
U-1 Commissioned on 20.02.2001.
U-2 Commissioned on 15.05.2001.
U-3 Spiral casing concreting is in progress.
U-4 Assembly of spiral casing completed. Alignment
and welding of spiral segments is in progress.
-Cancellation of
WB loan.
-Suspension of works
due to withdrawl of
MOEF clearance.
-Contractual problems
of dam & PH civil works.
-General price
escalation.Dev
aluation
of Rupee.
-Rates revision
for
dam & PH
works.
26.
Malankara

(Muvathupuzha)
Ker./3x3.5
Aug.,1986

(for 1x6 MW)

780

(For 1x6
MW)
41.57
1990-91
2002-03
The dam constructed by PWD. Part excavation of P.H.
completed. Detailed design of power house building is
in progress. Design of water conductor system has been
received. Fresh tenders for the work on the scheme has
been invited and re-awarded in 10/99. The contractor
started the preliminary works and 80% of the earth
work excavation completed.
M/S SILK awarded for supply & erection of T.G sets. 3
Nos Generator with excitation system, 3 Nos main inlet
valve with spairs received at site. The supply of balance
items is in progress.
-Delay in award of
civil works & TG unit.
-Revision in
capacity
-General
Price
escalation.
-Revision in
capacity
27.

Kuttiyadi
Tail Race
Ker/3x1.25(MW)
May, 1989
For 2x1.25 MW

3.97
12.92
2000-01
10th plan
Construction of channel and allied works completed. Works of Forebay, P.H. and Penstock are in progress. Most of the TG parts for 2 Nos. units received at site. Order for 3rd unit placed. Power transformers received at site. D/T, Runner Chamber and Stuffing box assembly for Unit-III despatched. The excavation of the component structures and the construction of the tail race bridge is in progress.
-Delay in commencement of works.
-Change in installed capacity from 2x1.25 to 3x1.25 MW.

28.
Pykara Ultimate
T.N./3x50 MW
01.08.88
70.16
373.06
1994-95
10th plan
Gate shaft, HRT, Surge shaft completed. P.H & pressure shaft works in progress. TRT is through and 95% lining completed.
Orders for Generator Transformers and 220 KV cables placed.
EOT crane received at site. TG equipment for all the three units received at site.
-Delay in award of works of TRT and access tunnel.
-Delay in finalisation of tenders for TG equipments .
-General price escalation.

29.
Kalpong
A&N Islands/

5.2 MW
49.37
47.31
2001-02
2001-02
Unit-I has been commissioned on 01.07.2001.
Unit-II and III has been erected, likely to be commissioned during july-2001.

EASTERN REGION

30.
Chandil
Jharkhand/2x4
14.04.87
12.95
32.49
1988-90
2001-02
Dam completed. Out of 13 No. radial gates, 8 No. erected. PH building almost completed.For penstocks, fabrication and erection completed. Erection of escape channel & cross & head regulator gates in progress.

EOT crane commissioned.
Unit 1: Boxing up has been completed except fixing of chequered plates in the platform over the wicket gates, some pressure gauges and paint works.
-Fund constraints.
-Slow pace of PH civil works.
-Supply shortage of BHEL.
-General price escalation.
-Fund constraints

Unit 2 : Stator and Runner assembly completed and tested in service bay. Rotor core building completed and fixing of poles (24 No.s) is being taken up. Supply order for Power transformer issued on M/s Synergy Power equipment, Pvt. Ltd., Jamshedpur, transformer received at site. Erection of drainage & de-watering equipment , compressor Unit and Unit Auxiliary transformer completed. UABs and SSB are available at site. The switchyard has been leveled and all the switchyard equipments have been procured except isolator and Lightning Arrestors. For transmission lines the work order has been issued Ms Jay Bee Enterprises. Erection works is being taken up.

31.
North Koel $
Jharkhand /2x12
10.03.84
21.94
47.34
1988-89
10th plan
At present civil works by NPCC are at standstill since August 1997 due to contractual and law & order problem.
Dam completed upto crest level by Irrigation Deptt. of State Govt. Penstock fabrication and erection completed except last piece. PH 1st sage concreting completed. 95.5% TRT boring & 90% TRC excavatation done.
TG sets, EOT cranes, Switchyard equipments & Power transformer received at site. Erection of EOT crane pending due to non-completion of civil works by NPCC.
TG supervision awarded to BHEL.
-Delay in civil works of TRT & power house civil works.
-Poor cash flow.
-Delay in Award of of unit erection contract.
-Law & Order problem.
-Contractual problem with NPCC.
-General price escalation.
-Fund constraints
-Law & Order problem.

$ Works of the project are held up.
32.
Potteru
Ori./1x3+1x3
30.07.84

5.46
18.83

1989-90
2001-02
Intake works completed Power & TR channel 70 % ,
75% and 65%, 30%for power house 1 & II respectivly
completed, labyrinth work cross drainage work 40%,
40% and 90%, 100% completed respectively for PH- I
& II. Civil works of both Power houses completed.
Erection of penstock completed for both PH-I & PH-II.
Works of Labyninth Weir, HRC/TRC and cross
drainage were at standstill due to Law & Order Problem
and contract failure.
-Delay in land
acquisition.
-Forest clearance.
-Contractual
problems in
PH works.
-Damage of control
panels in fire.
-Slow progress at site
due to law & order
problem.

-Fund
constraints.
-Delay in
forest
clearance at
PH-I

The work order has been issued to M/s. OCC Ltd. for
balance works which have been resumed for PH-I in
April 2001.
EOT cranes erected in both power house. Operation
trial of DT gates in progress in both PHs. DT erected &
concreted for PH I & II. Erection of penstock, Turbine
& auxiliaries completed in both PHs. C & R panels and
other panels erected in PH-II. Erection of generator
completed in PH-I except grouting of foundation.
Installation of all switchyard equipment completed for
both PHs. Erection of gear box completed in both PH-I
& PH-II. 33 Kv lines between PH I & PH II and PH II
to Kalimela S/Stn. Completed. Equipments for
communication transported to site by M/s. GRIDCO.
PTCC clearance already received.
-Delay in deposit work by
Potteru irrigation division.

33.

Balimela Dam
Toe $
Ori../2x30
26.02.77
17.77
69.301
1982-83
10th plan
Excavation of PH was held up since Nov,84 due to
objection from Govt. of Orissa. Govts. of AP & Orissa
have now decided for execution of project by OPCL as
an IPP. PPA and DPR being examined by GRIDCO.
M/s BHEL & M/s MECON appointed for assessing the
cost of existing equipments and works at site, their
report is awaited.
-Interstate disputes.
-General
Price
escalation.

$ Works of the project are held up.
34.
Purulia PSS

W.B. /4x225
09.02.94
1456.56
3188.90
2002-03
2004-06
OECF loan agreement signed in March, 95.
.Infrastructural works in progress. Tecno-commercial evaluation completed. Evaluation of price part for Hydro-Mech. equipment completed. For Hydro-Mechanical equipment letter of award placed on Mitsubishi Heavy industries Ltd.

(MHI) on 30.03.2001, acceptance received. Concurrence received from JBIC on 11.06.2001. JBIC concurrence obtained for E & M equipment. For civil due to filing of writ petition by two bidders the case got delayed and finally letter of award placed on M/S Taisai Corporation on 27.06.2001 . For Lot6.1 (Pump, turbine , Generator motor of other PH auxiliaries) Letter of Award placed on Mitsui & Co. Ltd..
Zero date is on 07.03.2001.
-Loan agreement with OECF signed after one year of sanction.
-Delay in placing order for civil works due to litigation.
-General price escalation.
35.
Rolep-I
Sik/2x3
16.8.97(State Govt.)

(Cap. Revised to 2x4.5 MW)
35.13
45.00

(PL-1999)
2001-02
2003-04
No active construction work has been started due to paucity of funds. Project has been handed over to Sikkim Power Development Corporation Limited for execution on Build Own and Operate basis.
-E&F clearance .
-Funds constraints
Funds constraints.

Works of the project are yet to be taken up.
NORTH-EASTERN REGION
36.
Karbi Langpi $

(Lower Borpani)
Asm/2x50 MW
24.09.79
36.36
288.37
1985-86
2003-04
80% excavation., 18% conc. & 97% slush clearance for dam completed. HRT,HP tunnel & penstocks work completed. TG sets received at site. The erection of BF valve and portion of TG equipment completed. 65% erection of control panels , 10% cabling works ,40% sw.yd. foundation work, 30% transformar and sw.yd. equipment erection completed.
Due to poor performance in joint sector the contract was cancelled and Govt. of Assam handed over the project to ASEB for execution as per Supreme Court`s verdict of January, 1999. Preperation of inventory of the assets taken up.
Execution of balance works has not been started. Funds

are being tied up with PFC.
-Frequent change of
contractor for dam
works.
-Delay in completion
of Dam.
-Frequent change of
executing agency.
-Funds constraints.
-General
price
escalation
due to
non-
completion of
dam.

$ Works of the project are held up.
37.
Dhansiri $
Asm./5x3x1.33
06.02.85
10.53
70.00
1988-89
2002-03
Head works for irrigation project Barrage completed.
Intake completed except guide Bundh . By passes for
PH-I completed as part of irrigation project. 98.43%
excavation & 46.46% concreting in all PHs. And
erection of DT in PH-I to IV completed. TG sets
received. Contract for TG erection awarded. Alignment
of draft tubes in PH-I to IV completed. Order placed
for EOT crane, Power Transformers, Sw.yd. equipment
& Battery/Battery charger etc. Part of supplies received.
Works are at standstill due to poor cash flow and Law
& order problems since, April, 1996 .
-Law and order problem
-Fund constraints

-General
price
escalation.
-Fund
constraints.

$ Works of the project are held up.
38.
Likim-Ro
Nagaland/3x8
18.10.89
33.84
186.59
1993-94
2001-02
Diversion weir completed.
Power channel: 99.59 % excavation and 87%
concreting completed. Rest is being executed by Naga
Land builders. Saddles & Anchor blocks . Intial casing
of all 24 Nos and final casing up to ABs 20 completed.
PH: Building ready for unit and other installation
works, only finishing works remain.
T.R.C. : Completed.
Cross drainage: Completed.
Balancing reservoir - Completed.
Forebay: Completed.
Penstocks: Fabrication completed, erection of perrlues
from AB 21 to AB23 remains ro be complete.
TG sets supply completed. Unit No. I & 2 ready for
testing. Erection of unit-3 is in progress. Generator,
Transformer reached at site.
EOT crane in operation. Erection of switchyard
equipment and 66Kv line completed.
-Delay in award of civil
works .
-Slow progress of civil
works.
-Fund constraints.
-Delay in erection of units.

-Law & Order problem.

-General
price
escalation.
PRIVATE SECTOR
39.
Baspa St.II
HP./3x100
29.04.94(CEA cl.)
16.01.98

(TEC revalidated)
949.23
949.23
2001-02
10th plan

(2003-04)

The agreement for implementation of the project was signed with M/s.Jai Prakash Industries in Oct.92, PPA was signed in 6/97, TEC cleared by CEA in favour of M/s.JPI but later on transferred in favour of JHPL. Infrastructure works are completed. Civil works are in progress. Excavation of HRT completed. Contract agreement for most of the E & M equipments, signed. Contract agreement for TG sets Signed with M/S Seimens, AG Germany. Submmission date of firm financial package has been extended upto 30.06.2001 by CEA. The works of the project which came to stand still due to flood in river Sutluj on 31st July/ 1st August, 2000 have resumed. Since 3/2000 the zero date to restart the project works is now taken as 01.03.2001 and project is excepted to be commissioned in 2003-04.
-Flash flood in July/August
2000.

40.
Vishnu Prayag
Uttaranchal/4x100
30.06.97 (TEC)
1614.66
1614.66
10th Plan
10th plan

TEC has been cleared by CEA in 6/97. The project is being executed by M/S Jai Parkash Power Venture Ltd. Infrastructure works are in progress. Contract for supply of TG sets is in advanced stage of award M/S JPVL has applied fore extention of firm financial package up to 31.12.2001.
-Financial closure.

41.

Srinagar $
Uttaranchal/4x82.5
14.06.2000
1699.12
1699.12
2005-06
2005-06
World Bank loan cancelled on 28.8.92 MOU was signed by Govt. of U.P. with M/s. Duncan Agro on 27.8.94 for execution in Private Sector.
TEC accorded by CEA on 14.06.2000 to M/s. Duncans North Hydro Power Co. Ltd.
-Financial closure.

$ Works of the project are held up.
42.
Maheshwar
M.P/10x40
30.12.96(TEC)
1569.75
1673.00
2001-02
2003-05
The project is being executed by Shree Maheshwar Hydro Power Corporation Ltd. in Private Sector. Electro-Mechanical & Hydro-Mechanical equipments awarded to M/S Siemens Germany & Asea Brown Brovery, Amadora, Purtgal respectively . Civil works awarded to M/S Southern Engg. Works Ltd. Hyderabad. Excavation of Dam, PH, TRT etc. are in progress. The basic infrastructure already in place. Land acquisition and R & R works are in progress. Financial Package approval by CEA accorded on 06.04.2000.
-Delay in financial closure.
-R & R problems.
-General price escalation.
42.
Boothathankettu $
Ker. / 4x4

32.83
47.26
2000-01
10th Plan
Agreement for implementation of the project was executed with M/S Silical Mettulergic Ltd. during 12/94. Civil works have been temporarily stoppped due to problem in land acquisition from irrigation Deptt.

$ Works of the project are held up.